PTO/SB/05 (08-03) (AW 10/2003)

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UTILITY
PATENT APPLICATION
TRANSMITTAL

Attorne	y Docket I	No.	TGR-105US	3
First In	ventor	Wei	n-Bin YAN	Ξ
Title			METHOD OF TRACE GAS ANALYSIS USING CAVITY SPECTROSCOPY	- 60

(Only for a	ow papprovisions	al applications under 3	7 C E D 1 52/h		1110	RING-D	OWN SPI	ECTROS	SCOPY		
(Only lot I	iew nonprovisiona	ar applications under 3	7 C.F.K. 1.55(b)		xpress	Mail Lat	bei No.	E\	3259	26907 US	
See MPEP (ICATION ELEN		ts.	AL	DDRE	SS TO): P	ommission .O. Box 14	atent Application ner for Patents ISO VA 22313-1450	
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or in an App ☐ Conti Prior app For CONTIN under Box 5	olication Data Shinuation [colication information IUATION or DIVISTA	neet under 37 CFR 1. Divisional Examiner SIONAL APPS only: 1 I a part of the disclos	76: ☐ Continuation ☐ The entire discure of the accuracy when a po	n-in-part closure o ompany ortion h	(CIP) of the pring co as bee	orior app ntinuation n inadve	of p <i>Gro</i> olication, on or divi	orior appl oup / Art from wh	ication No Unit: ich an oa	preliminary amendment,	ed by
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Vame (Prin	nt/Type)	Jacques L. Etkow			Regis	tration N	Vo. (Attoi			41,738	
Signature		M	In		_			T	Date	December 3, 2003	

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. 22313-1450.



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FEE TRANSMITTAL	Complete if Known					
	Application Number	To Be Assigned				
for FY 2004	Filing Date	Herewith				
Effective 10/01/2003. Patent fees are subject to annual revision.	First Named Inventor	Wen-Bin YAN.				
☐ Applicant claims small entity status. See 37 CFR 1.27	Examiner Name					
Applicant claims small entity status. See 57 CFR 1.27	Art Unit					
TOTAL AMOUNT OF PAYMENT (\$) 470	Attorney Docket No.	TGR-105US				

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ME	THOD C	F PAYM	ENT (check a	ll that apply)				FEE	CALCULATION (continued)	
⊠ Check □	Credit Ca	rd Mo	ney 🗌 Other	None	3. ADDITIONAL FEES Large Entity Small Entity					
Deposit Acc	ount:	Ord	der		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit					1051	130	2051	65	Surcharge - late filing fee or oath	
Account Number Deposit	18-	0350			1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
Account Name	Rat	nerPrestia			1053	130	1053	130	Non-English specification	
	authorize	ed to: (che	ck all that appl	<i>y</i>)	1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
☐ Charge fee(s) indicated below						920*	1804	920*	Requesting publication of SIR prior to	
						1,840*	1805	1,840*	Examiner action Requesting publication of SIR after Examiner action	
above-identified deposit account.						110	2251	55	Extension for reply within first month	
FEE CALCULATION					1252	420	2252	210	Extension for reply within second month	
1. BASIC	FILING F				1253	950	2253	475	Extension for reply within third month	
Large Entity	Small				1254	1,480	2254	740	Extension for reply within fourth month	
Fee Fee Code (\$)	Fee Code	Fee (\$)	Fee Description	r Fee Paid	1255	2,010	2255	1,005	Extension for reply within fifth month	
1001 770	2001		Utility filing fee	385	1401	330	2401	165	Notice of Appeal	
1002 340	2002		Design filing fee		1402	330	2402	165	Filing a brief in support of an appeal	
1003 530	2003		Plant filing fee		1403	290	2403	145	Request for oral hearing	
1004 770 1005 160	2004 2005		Reissue filing fer Provisional filling		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1000			·	, iee	1452	110	2452	55	Petition to revive – unavoidable	
	•	SUBTOTAL	L (1)	(\$) 385	1453	1,330	2453	665	Petition to revive – unintentional	\vdash
2. EXTRA CL	AIM FEE	S FOR UT	ILITY AND RE	ISSUE	1501	1,330	2501	665	Utility issue fee (or reissue)	-
				ee from Fee elow Paid	1502	480	2502	240	Design issue fee	
Total Claims	25 -	20** = [5 X	9 = 45						
Independent Claims	3	-3** =	0 X	= 0	1503	640	2503	320	Plant issue fee	
Multiple		i			1,460	130	1460	130	Petitions to the Commissioner	
Dependent			x [= 0	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
Large Entity		I Entity			1806	180	1806	180	Submission of Information Disclosure Stmt	
Fee Fee Code (\$)	Code		Fee Descript	ion	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00
1202 18 1201 86	2202 2201		Claims in exc		1809	770	2809	385	Filing a submission after final rejection (37	
1201 86 1203 290		43 145	•	claims in excess of 3 ndent claim, if not paid	1810	770	2810	385	CFR § 1.129(a)) For each additional invention to be	\vdash
1204 86	2204	43	** Reissue ind	dependent claims over	l		l		examined (37 CFR § 1.129(b))	\vdash
1005 10		_	original paten ** Reissue cla	ims in excess of 20 and	1801	770	2801	385	Request for Continued Examination (RCE)	
1205 18	2205	9	over original		1802	900	1802	900	Request for expedited examination of a design application	
		SI	JBTOTAL (2)	(\$) 45	Other	fee (spe	cify)			
**or number pre	viously paid	d. if greater	: For Reissues, se	e above	*Red	uced by	Basic Fi	iling Fee	Paid SUBTOTAL (3) (\$) 40	

SUBMITTED BY		Сол	nplete (if applicable)
Name (Print/Type)	Jacques L. Etkowicz Registration No. Attorney/Agent) 41,738	Telephone	(610) 407-0700
Signature		Date	December 3, 2003

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CERTIFICATE OF MAIL		IL" (37 CFR 1.10)	Docket No.
Applicant(s): Wen-Bin Yan	g 		TGR-105US
Serial No.	Filing Date	Examiner	Group Art Unit
To Be Assigned	Herewith		
nvention: DEVICE AND M SPECTROSCOPY	ETHOD OF TRACE GAS	ANALYSIS USING CAVITY F	RING-DOWN
I hereby certify that the follo	owing correspondence:		
Utility Patent Application	Transmittal; Assignment a	nd Declaration/POA	
		,	
	(Identify type o	f correspondence)	
Is being deposited with the CFR 1.10 in an envelope ac	United States Postal Service ddressed to:	"Express Mail Post Office to Ad	dressee" service under 37
Commissioner for Patents, on 12/03/03	P.O. Box 1450, Alexandria, V	/A 22313-1450	
•		Kathleen C. Libby	
		Kathlein	rson Mailing Correspondence)
		(Signature of Person N	ailing Correspondence)
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